

1. A component deactivated interlock apparatus, the apparatus comprising:

an installable device;

a plunger disposed upon the installable device, the plunger extending to contact a stop barrier disposed on a receiving device to thereby obstruct the installable device from being received by the receiving device when a required component is not physically connected to the installable device and;

the plunger further configured to retract when the required component is physically connected to the installable device so as to clear the stop barrier when the installable device is received by the receiving device.

2. The component deactivated interlock apparatus of claim 1, wherein the plunger further comprises:

a rod;

an extender module configured to apply a force to the rod to cause the rod to extend;

a receptor module in physical communication with the rod, the receptor module configured to receive the actuator, the actuator moving the receptor module and the rod against the force of the extender module.

3. The component deactivated interlock apparatus of claim 2, wherein the extender module comprises:

a spring; and

a spring guide configured to direct the force of the spring.

4. The component deactivated interlock apparatus of claim 3, wherein the receptor module and the extender module are concentric.

5. The component deactivated interlock apparatus of claim 3, wherein the spring is a coiled wire spring.

6. The component deactivated interlock apparatus of claim 3, wherein the spring is a lever spring.

7. The component deactivated interlock apparatus of claim 1, further comprising an actuator in the form of a prong disposed on the required component for retracting the plunger.

8. The component deactivated interlock apparatus of claim 1, further comprising an actuator in the form of a ramp and a receiving area disposed on the required component for retracting the plunger.

9. The component deactivated interlock apparatus of claim 2, wherein the receptor module comprises:

a lever assembly configured to move the rod in opposition to the force of the extender module; and

a target disposed on the lever assembly.

10. The component deactivated interlock apparatus of claim 9, wherein an engaged actuator is configured to move the target, moving the lever assembly.

11. The component deactivated interlock apparatus of claim 10, wherein the actuator is a knob.

12. The component deactivated interlock apparatus of claim 1, wherein the stop barrier is a raised obstruction.

13. The component deactivated interlock apparatus of claim 1, wherein the stop barrier is an indentation, the indentation configured with a side wall, the indentation further configured to allow the plunger to extend into the indentation, the side wall obstructing the movement of the plunger.

14. A component deactivated interlock apparatus for enabling installation of an installable device, the apparatus comprising:

a plunger disposed upon a receiving device, the plunger configured to extend into the path of an installable device as the receiving device receives the installable device; and

an actuator disposed upon a required component, the actuator configured to retract the plunger when the required component is in physical contact with the receiving device.

15. The component deactivated interlock apparatus of claim 14, wherein the plunger further comprises:

a rod;

an extender module configured to apply a force to the rod extending the rod; and

a receptor module in physical communication with the rod, the receptor module configured to receive the actuator, the actuator configured to move the receptor module and the rod against the force of the extender module.

16. The component deactivated interlock apparatus of claim 15, wherein the extender module comprises:

a spring;

a spring guide configured to direct the force of the spring.

17. The component deactivated interlock apparatus of claim 16, wherein the spring is a coiled wire.

18. The component deactivated interlock apparatus of claim 16, wherein the spring is a lever spring.

19. The component deactivated interlock apparatus of claim 14, wherein the actuator is configured as a ramp.

20. The component deactivated interlock apparatus of claim 14, further comprising a stop barrier.

21. The component deactivated interlock apparatus of claim 20, wherein the stop barrier is an indentation, the indentation configured with a side wall, the indentation further configured to allow the plunger to extend into the indentation, the side wall obstructing the movement of the plunger.

22. A system for enabling the installation of an installable device configured with a required component, the system comprising:

an installable device configured with a plunger, the plunger configured to extend, the plunger further configured to retract;

a receiving device configured to receive the installable device, the receiving device further configured with a stop barrier, wherein the stop barrier obstructing the receiving device from receiving the installable device when the plunger is extended; and

a required component configured to be physically connected to the installable device, the required component further configured with an actuator positioned to cause the plunger to retract when the required component is in physical communication with the installable device.

23. The system of claim 22, further comprising a receptacle disposed within the receiving device and configured to receive an installable device.

24. A method for enabling the installation an installable device configured with a required component, the method comprising:

extending a plunger disposed upon an installable device to obstruct installation of the installable device in a receiving device;

attaching a required component to the installable device; and

retracting the extended plunger responsive to the attachment of the required component.

25. The method of claim 24, further comprising installing the installable device in the receiving device.

26. The method of claim 24, wherein the plunger contacts a stop barrier to obstruct installation of the installable device.

27. The method of claim 24, wherein the plunger is retracted responsive to an actuator disposed upon the required component.

28. The method of claim 24, further comprising removing the required component, the plunger extending responsive to removing the required component.

29. The method of claim 24, wherein the extended plunger contacts a stop barrier disposed upon the receiving device, obstructing installation of the installable device.

30. An apparatus for enabling the installation of an installable device configured with a required component, the apparatus comprising:

means for extending a plunger disposed upon an installable device to obstruct installation of the installable device in a receiving device;

means for attaching a required component to the installable device;

and

means for retracting the extended plunger responsive to the attachment of the required component.